

IN THE CLAIMS:

1. (Currently Amended) Process for monitoring the quality of service of a communication through a communication network, said process being executed in a end-user terminal and comprising the steps of:

- establishing a session between a first end-user terminal and a second end-user terminal via a signaling plane using a session initiation protocol;
- monitoring the quality of service of the communication during said session;
- transmitting information representative of said quality of service during said session using said signaling plane, wherein the QoS information is transmitted within the header of a session initiation protocol message, so that all parties share the same information, wherein said information representative of said quality of service comprises signaling parameters and media transmission quality parameters, said signaling parameters including a parameter which is representative of the time between one invite and the resulting ringing signal for this invite.

2. (Canceled)

3. (Currently Amended) A process according to claim 2 1 wherein said session is used for transmitting voice services through at least a first and a second proxy and that said signaling parameters include a parameter representative of the time taken between one invite is transmitted to said first proxy and said proxy forwards it to said second proxy.

4. (Canceled)

5. (Original) A process according to claim 1 wherein said session is used for transmitting voice services and that said quality of service comprises parameters representative of the quality of transmission of voice signals.

6. (Previously Presented) A process according to claim 5 wherein the voice is transmitted through RTP and RTCP protocols and that said quality of service comprises parameters extracted from said RTCP protocol by an end-user process.

7. (Previously Presented) Process according to claim 5 wherein said quality of service comprises parameters representative of the jitter of the voice transmission.

8. (Previously Presented) Process according to claim 5 wherein said quality of service comprises parameters representative of the loss of packets in the voice transmission.

9. (Original) Process according to claim 1 wherein said session is used for transmitting video services and that said quality of service comprises parameters representative of the quality of transmission of video signals.

10. (Original) Process according to claim 1 wherein said first end-user communicates with a service in lieu of a second end-user.

11. (Original) Process according to claim 1 wherein said terminal is one of a personal computer, a Personal Document Assistant, a portable computer, a cellular telephone, a fixed telephone or a Universal Mobile Telecommunications System terminal.

12-28. (Canceled)

29. (Previously Presented) Process for monitoring the quality of service of a communication through a communication network, said process being executed in a end-user terminal and comprising the steps of:

- establishing a session between a first end-user terminal and a second end-user terminal via a signaling plane using a session initiation protocol;
- monitoring the quality of service of the communication during said session;
- transmitting information representative of said quality of service during said session using said signaling plane, wherein the QoS information is transmitted within the header of a session initiation protocol message, so that all parties share the same information, and further wherein said session is used for transmitting voice services through at least a first and a second proxy and that said QoS information include a parameter representative of the time taken between one invite is transmitted to said first proxy and said proxy forwards it to said second proxy.

30. (New) A process according to claim 29 wherein said QoS information further comprises media transmission quality parameters.

31. (New) A process according to claim 29 wherein said session is used for transmitting voice services and that said quality of service comprises parameters representative of the quality of transmission of voice signals.

32. (New) A process according to claim 31 wherein the voice is transmitted through RTP and RTCP protocols and that said quality of service comprises parameters extracted from said RTCP protocol by an end-user process.

33. (New) Process according to claim 32 wherein said quality of service comprises parameters representative of the jitter of the voice transmission.

34. (New) Process according to claim 32 wherein said quality of service comprises parameters representative of the loss of packets in the voice transmission.

35. (New) Process according to claim 29 wherein said session is used for transmitting video services and that said quality of service comprises parameters representative of the quality of transmission of video signals.

36. (New) Process according to claim 29 wherein a first end-user communicates with a service in lieu of a second end-user.

37. (New) Process according to claim 29 wherein said end-user terminal is one of a personal computer, a Personal Document Assistant, a portable computer, a cellular telephone, a fixed telephone or a Universal Mobile Telecommunications System terminal.